

INTERNATIONAL SEARCH REPORT

PCT/IL2004/000719

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/869 A61K39/00 C12N5/10 C12P21/00 C12N7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A61K C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 503 752 B1 (FRENKEL NITZA) 7 January 2003 (2003-01-07) cited in the application example 6	1-13,15, 16, 29-38, 41-46, 53,54, 58-63,66
X	ROMI HILA ET AL: "Tamplicon-7, a novel T-lymphotropic vector derived from human herpesvirus 7" JOURNAL OF VIROLOGY, vol. 73, no. 8, August 1999 (1999-08), pages 7001-7007, XP002309009 ISSN: 0022-538X cited in the application page 7006, column 1 - column 2; figure 4 ----- -/-	1,2,4-7, 9-13,16, 29-48, 53,54, 58-63,66

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

3 December 2004

Date of mailing of the international search report

29/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
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Authorized officer

Lonnoy, 0

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IL2004/000719

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>BORENSTEIN RONEN ET AL: "Use of amplicon-6 vectors derived from human herpesvirus 6 for efficient expression of membrane-associated and -secreted proteins in T cells" JOURNAL OF VIROLOGY, vol. 78, no. 9, May 2004 (2004-05), pages 4730-4743, XP002309010 ISSN: 0022-538X cited in the application the whole document</p>	1-71
T	<p>OEHMIG ANGELIKA ET AL: "Update on herpesvirus amplicon vectors." MOLECULAR THERAPY : THE JOURNAL OF THE AMERICAN SOCIETY OF GENE THERAPY. OCT 2004, vol. 10, no. 4, October 2004 (2004-10), pages 630-643, XP002309011 ISSN: 1525-0016</p>	
A	<p>ASADA H ET AL: "Human herpesvirus 6 infects dendritic cell and suppresses human immunodeficiency virus type 1 replication in coinfecting cultures" JOURNAL OF VIROLOGY, THE AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 73, no. 5, May 1999 (1999-05), pages 4019-4028, XP002955508 ISSN: 0022-538X</p>	
A	<p>WO 02/056828 A (EVANS THOMAS G; HOCKNELL PETER K; WILLIS RICHARD A; FEDEROFF HOWARD J) 25 July 2002 (2002-07-25)</p>	
A	<p>US 5 194 601 A (HAMMERSCHMIDT WOLFGANG ET AL) 16 March 1993 (1993-03-16)</p>	

INTERNATIONAL SEARCH REPORT

International application No.

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of Item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

☒

a sequence listing

☐

table(s) related to the sequence listing

b. format of material

☒

in written format

☒

in computer readable form

c. time of filing/furnishing

☒

contained in the international application as filed

☒

filed together with the international application in computer readable form

☐

furnished subsequently to this Authority for the purpose of search

2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 17-28, 49, 51, 56, 57, 64, 65, 67, 69, 70, and claims 37-42, as far as these relate to in vivo methods, are directed to methods of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2004/000719

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6503752	B1	07-01-2003	US 2002137186 A1 26-09-2002
			AU 1088595 A 29-05-1995
			WO 9513081 A1 18-05-1995
WO 02056828	A	25-07-2002	CA 2430589 A1 25-07-2002
			EP 1346036 A2 24-09-2003
			WO 02056828 A2 25-07-2002
			US 2003027322 A1 06-02-2003
US 5194601	A	16-03-1993	NONE